

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

# LISTING SERVICE

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**CATEGORY:** Beam Smoke Detection System

**LISTEE:** System Sensor, 3825 Ohio Avenue, St. Charles IL 60174  
Contact: Trish Linhart (630) 377-6580 X1185 Fax (630) 377-7245

**DESIGN:** Models BEAM1224 and BEAM1224S, 4-wire conventional type, Projected Beam Smoke Detector. Model BEAM1224S contains a test feature consisting of a servo motor (and associated circuitry), which rotates an arm to obscure the optical path between the photodiode and IRLED simulating smoke. Refer to listee's data sheet for detailed product description and operational considerations.

**RATING:** 10.2 – 32 VDC

**INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

**MARKING:** Listee's name, model number, electrical rating, and UL label.

**APPROVAL:** Listed as a projected beam smoke detection system for use with Models BEAMMMK and BEAMSMK mounting kits and separately listed compatible fire alarm control units. Refer to listee's Installation Instruction Manual for details.

04-28-04



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 23, 2004**

*Listing Expires **June 30, 2005***

Authorized By: **DIANE K. AREND, Senior Deputy**  
*Program Manager*